



Fleet Manager 2002 Report Analysis

Overview

This document provides an explanation of the columns displayed by a number of commonly used Fleet Manager reports. A printed page of each of the reports is attached.

List of Drivers per Site

This report lists all drivers matching the selection criteria. Drivers are grouped by site and the following columns are displayed.

- ? **Site**
 - ? **Name**
 - ? **Employee number**
 - ? **Configuration group**
 - ? **Driver ID**
 - ? **Reporting Group**
-

Driver Performance Summary Report

This report prints a single line for each driver matching the selection criteria. The following columns are displayed.

- ? **Driver**
- ? **Driving time**
Shows the time spent driving in hours and minutes. The driving time is also shown as a percentage of trip duration.
- ? **Idling time**
Shows the time spent idling in hours and minutes. The idling time is also shown as a percentage of the trip duration.
- ? **Standing time**
Shows the time the vehicle spent standing¹ in hours and minutes. The standing time is also shown as a percentage of the trip duration.
- ? **Distance**
- ? **Days with trips**
Shows the number of days in the reporting period on which there are trips.

NOTE: Although idling time is shown as a percentage of trip duration it can not be reconciled with driving and standing times. Due to the way that these times are recorded the idling time overlaps both driving and standing times. However it is correct to say that *driving time + standing time = trip duration*.

Driver Scoring Report

This report shows a single line for each driver matching the selection criteria, grouped by site. The following columns are shown.

- ? **Driver**
- ? **Duration**

¹ Standing time is the time between the halt of a sub-trip and the departure of the next sub-trip.

- ? **Distance**
- ? **Over speeding score**
- ? **Over revving score**
- ? **Harsh braking score**
- ? **Excessive idling score**
- ? **Green band score**
- ? **Harsh Acceleration**
- ? **Average score**

The scores are calculated according to the rules defined on the *Driver Scoring* tab of the Organisation Properties dialog. Each score reflects how well the driver scored as a percentage with 100% being a perfect score.

Trip Report - detail (applies to vehicle and driver reports)

This report reflects details of individual trips. Optionally details of sub-trips can be shown. If sub-trips are shown then selected event details may also be shown. Each of these is shown on a separate line.

The following columns are shown.

- ? **Start**
This column applies only to a trip record and indicates the time at which the trip started.
- ? **Depart**
For sub-trip records this column indicates the departure time for the sub-trip. For trip records this column indicates the departure time of the first sub-trip in the trip.
- ? **Driving**
This column indicates the portion of the trip or sub-trip during which the vehicle was considered to be driving.
- ? **Idle**
This column indicates the portion of the trip or sub-trip during which the vehicle was considered to be idling.
- ? **Duration**
This column indicates the duration of the trip or sub-trip. For trips this is the period from start to end and for sub-trips it is the time from depart to halt.
- ? **Halt**
For sub-trip records this column indicates the time at which the vehicle halted at the end of the sub-trip. For trip records this column indicates the halt time of the last sub-trip in the trip.
- ? **Standing**
This column indicates the portion of the trip that the vehicle was considered to be standing. For sub-trip records this is the time between the halt time and the trip end time or the depart time of the next sub-trip in the trip.
- ? **End**
This column applies only to trip records and indicates the time at which the trip ended.
- ? **Parking**
This column applies only to trip records and indicates the time between the end of the trip and the start of the following trip.
- ? **Max speed**
This column indicates the maximum speed attained during the trip or sub-trip.
- ? **Avg speed**
This column indicates the average speed for the trip or sub-trip.
- ? **Distance**

This column indicates the distance that the vehicle travelled during the trip or sub-trip. Due to the fact that the vehicle unit measures to the closest 100 metres, this may be zero if the vehicle moved less than 100 metres. In this case the average speed cannot be calculated and is shown as zero.

Trip records are identified by the presence of a value underneath the *start* column. Sub-trip records are identified by the absence of a *start* value but the presence of a *depart* value. Event records are shown as strings of concatenated information relating to the event. The left-hand side of these strings aligns with the left of values in the *depart* column.

Events are shown in chronological order with events occurring within a sub-trip appearing below that sub-trip.

Trip Report - daily (applies to vehicle and driver reports)

This report shows one line per day for each vehicle or driver that matches the selection criteria. Most of the columns are the same as those on the detail trip report with the following exceptions.

? **Date and day**

These columns begin each line and show the date and day that the line applies to.

? **Odometer (end)**

This column reflects the odometer reading at the end of the day.

? **Trips/Events**

This column reflects the number of trips and events that occurred during the day, separated by a slash character.

Trip Report - monthly (applies to vehicle and driver reports)

This report shows one line per month for each vehicle or driver that matches the selection criteria. Most of the columns are the same as those on the detail trip report with the following exceptions.

? **Month**

This column shows the month and year that the line applies to.

? **Odometer (begin)**

This column reflects the odometer reading at the beginning of the month that the line applies to.

Trip Report - summary (applies to vehicle and driver reports)

This report shows one line for each vehicle or driver that matches the selection criteria. Most of the columns are the same as those on the other trip reports with the following exceptions.

? **Driver/vehicle**

This column shows the name of the driver or the description of the vehicle that the line applies to.

? **Recorded period**

This column shows the start and end dates within the period for which the relevant driver or vehicle had trips.

Vehicle/Driver Driving Errors Report - detail, daily, monthly and summary

These reports reflect different summarisations of information on driving errors. Besides columns indicating the driver and period to which the line applies, three columns appear for each of the following four key violations.

? **Over speeding**

? **Over revving**

? **Harsh braking**

? **Excessive idle**

Each of these has the following columns.

- ? **Count**
Indicates how many times the violation occurred.
- ? **Max**
Indicates the maximum value recorded for the violation.
- ? **Duration**
Indicates the time period for which the violation was committed.

In addition there is a column showing the percentage of time during which the vehicle was being driven outside of the green band.

List of Vehicles per Site

This report lists all vehicles matching the selection criteria. At least the following information is shown for each vehicle.

- ? **Site**
- ? **Description**
- ? **Unit type**
- ? **Configuration group**
- ? **Vehicle ID**

The following optional information may also be shown.

- ? **Last trip - date and odometer**
Reflects the date of the last trip and the odometer reading at the end of that trip.
- ? **Service - next, interval and reminder**
Reflects the servicing information that has been defined for the vehicle.
- ? **Arming - delay and buzzer**
Reflects the delay before the unit rearms after a trip and the buzzer action that will take place if a trip is started without driver identification.
- ? **Target fuel consumption**
Reflects the target fuel consumption that has been defined for the vehicle.
- ? **Reporting groups**
Reflects the reporting groups that the vehicle belongs to.

Vehicle/Driver Event Report

This report reflects events that occurred for drivers or vehicles matching the selection criteria. Events shown are restricted to those that were selected from the reporting criteria wizard. Columns shown are.

- ? **Event**
- ? **Event type**
Indicates whether the event is a detail, summary or notification event.
- ? **Begin**
- ? **End**
- ? **Duration**
- ? **Occurs**
Indicates how many times a summary event occurred.
- ? **Value**
Indicates the value recorded for the event.

- ? **Start odo**
- ? **End odo**
- ? **Distance**

Fuel Consumption Report

This report indicates fuel consumption figures that have been captured for vehicles matching the selection criteria. The following columns are shown.

? **Vehicle**

? **Date**

? **Odometer**

The odometer reading that was captured.

? **Consumption**

The fuel consumption calculated from the captured details. The distance is calculated from the odometer readings of this and the previous record and the consumption is calculated using this distance and the captured fuel quantity.

? **Target**

The target fuel consumption defined for the vehicle.

? **% of target**

The calculated consumption reflected as a percentage of the target consumption. Note that this percentage requires a certain amount of interpretation. If consumption is shown as km/l or mpg then a percentage below 100 indicates that the vehicles consumption is **worse** than the target. On the other hand, if the consumption is shown as l/100km then a percentage below 100 indicates that the vehicles consumption is **better** than the target.